

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001563**Date Inspected:** 19-Jan-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 5AE & OBG 3AE**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 5EA, relocated and placed inside blasting bay for blast operations despite the fact that steel repairs and welding had not been signed off, additional steel work required: All surfaces are being blasted

OBG 3AE, inspection of faying surfaces for the box girders are unsatisfactory. ZPMC QC rejected the work during in process QA inspection. Lead QA Inspector, Jordan reminded ZPMC that unapproved means and methods performing work outside of Blasting rooms had not been reviewed nor accepted and a work plan had not been submitted. Mr. Jordan informed ZPMC that they could proceed at own risk.

OBG 5AE, perform joint QA/QC inspection of the blasted areas (entire segment). ZPMC discovered that they were not capable of blasting the entire segment and cleaning spent abrasive and coat 100% of the surface area within the 8 hour timeframe required by the contract documents. Deficiencies were marked on steel surfaces for additional blasting and amendment, this unit was scheduled for Inspection on 1/17/09 nightshift. It took ZPMC the entire night to clean the spent abrasive. It took approximately 10 hours to complete this process.

Summary of Conversations:

No relevant conversation on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

your project.

Inspected By: Lumley,James

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer